

event, the Commissioner is also hereby authorized to charge Deposit Account No. 23-1665 for any fee that may be required to maintain the pendency of this application.

Please amend the above-identified patent application as follows.

IN THE CLAIMS

Please amend claims 1, 33, 34, 60 and 63 to read as follows. A marked-up version of the amendments to these claims is appended to this Amendment and Reply.

1. (Fourth Amendment) A data processing system, comprising:

    a plurality of event modules each including code that generates an event data signal representative of a particular event;

    a plurality of scripts each having a plurality of instructions;

    a plurality of processing modules distributed over said data processing system each including code that provides processed data; and

    a task module, selectively communicating with each of said plurality of event modules and said plurality of distributed processing modules, said task module including code for selecting and instantiating one of said plurality of scripts that corresponds to said event data signal and for executing said instantiated script such that said instantiated script proceeds to a first of said plurality of distributed processing modules for processing a current one of said plurality of instructions;

    wherein dynamic information comprises statuses of said distributed processing modules and modifications to said instantiated script including processed data from previously processed ones of said plurality of instructions, and wherein during execution of said instantiated script said task module provides said dynamic information to said instantiated script and incorporates said

dynamic information into said currently processing instruction for real-time consideration thereof, and upon completion of said currently processing instruction said task module evaluates said incorporated dynamic information and processed data from said completed instruction and selectively executes said instantiated script such that said instantiated script proceeds to a second of said distributed processing modules for processing a next instruction within said instantiated script.

33. (Fourth Amendment) A data processing system, comprising:

a plurality of event modules each including code that generates an event data signal representative of a particular event;

a plurality of scripts each having a plurality of instructions;

a plurality of processing modules distributed over said data processing system each including code for performing data processing functionality to provide processed data;

a task module, selectively communicating with each of said plurality of event modules and said plurality of distributed processing modules, said task module including code for selecting and instantiating one of said plurality of scripts that correspond to said event data signal and, during execution of said instantiated script, for providing dynamic information comprising statuses of said distributed processing modules and modifications to said instantiated script including processed data from previously processed ones of said plurality of instructions for incorporating said dynamic information into said currently processing instruction for real-time consideration thereof and, for selectively executing, based on said incorporated dynamic information and processed data from said completed instruction, said instantiated script such that said instantiated script proceeds to a

first and to at least a second of said distributed processing modules for processing instructions within said instantiated script; and

a resource management module communicating with each of said plurality of event modules, said task module and said plurality of distributed processing modules, said resource management module including code for monitoring event data signals generated by said plurality of event modules and not processed by said task module and a number of said plurality of distributed processing modules available for performing particular data processing functionality, and for converting data processing functionality of said plurality of distributed processing modules in response to dynamic information regarding said monitored event data signals and said number of available distributed processing modules to maximize a number of said distributed processing modules processing said event data signals.

34. (Fourth Amendment) A method of data processing comprising the steps of:  
generating at least one event data signal at one or more peripheral modules;  
mapping said at least one event data signal to a selected script chosen from one or more scripts, each said one or more scripts having one or more instructions;  
instantiating said selected script; and  
executing, by a task module, said instantiated script such that said instantiated script proceeds to a first of a plurality of processing modules for processing a current one of said one or more instructions of said instantiated script;  
wherein dynamic information comprises statuses of said plurality of processing modules and modifications to said instantiated script including processed data from previously processed ones of said one or more instructions, and wherein during execution of said instantiated script said

task module provides said dynamic information to said instantiated script and incorporates said dynamic information into said currently processing ones of said one or more instructions for real-time consideration thereof, and upon completion of said currently processing instruction, said task module evaluates said incorporated dynamic information and processed data from said completed instruction and selectively executes said instantiated script such that said instantiated script proceeds to a second of said plurality of processing modules for processing a next instruction within said instantiated script.

60. (Second Amendment) In a data processing system, a method for responding to event data, comprising:

receiving event data from a requesting one of a plurality of event modules;

mapping the event data to a selected one of a plurality of scripts, the plurality of scripts including instructions for responding to event data;

instantiating said selected script;

executing, by a task module, the instantiated script such that the instantiated script proceeds to a first of a plurality of processing modules for processing of a current one of the instructions of the instantiated script;

wherein dynamic information comprises statuses of the plurality of processing modules and modifications to the instantiated script including processed data from previously processed ones of the instructions, and wherein during the execution of the instantiated script the task module provides the dynamic information to the instantiated script and incorporates the dynamic information into the currently processing instruction for real-time consideration thereof, and upon completion of the currently processing instruction the task module evaluates the

incorporated dynamic information and processed data from the completed instruction and selectively executes the instantiated script such that the instantiated script proceeds to a second of the plurality of processing modules for processing a next instruction within the instantiated script;

building a response profile including results generated during execution of the instantiated script; and

wherein when the instructions within the instantiated script are completed, transmitting the response profile to the requesting one of the plurality of event modules.

63. (Second Amendment) A data processing system, comprising:

a plurality of event modules each including code that generates a first event data signal representative of a first event;

a plurality of scripts each having a plurality of instructions;

a plurality of processing modules each including code that provides processed data, a subset of said plurality of processing modules having code that selectively generates a second event data signal representative of a second event; and

a task module, selectively communicating with each of said plurality of event modules and said plurality of processing modules, said task module including code for selecting and instantiating ones of said plurality of scripts that corresponds to said first and second event data signals, and for executing said instantiated scripts such that said instantiated scripts proceed to a first of said plurality of processing modules for processing a current one of said plurality of instructions within each of said instances;